Disinfecting the Internal Water Filter with Rapicide User Instructions

Caution: The internal water filter, the internal water filter housing and associated tubing *must* be disinfected with a high level disinfectant before use.

Note: The DSD-91E must have the disinfectant reservoirs for Station A and Station B filled with disinfectant that meets the minimum effective concentration and is heated to 38^{o} C $\pm$ 2^{o} C.

Note: The SSD-100 must have the disinfectant reservoir filled with disinfectant that meets the minimum effective concentration and is heated to 38^{o} C $\pm$ 2^{o} C.

1.1 Replacing the Internal Water Filter

1.1.1 The DSD-91E or SSD-100 must be in the idle state.

1.1.2 Place an endoscope simulator into the endoscope basin. Place the floating lid onto the endoscope basin and close the station cover. Refer to figure 1.

Figure 1

1.1.3 Close the incoming water supply valve external to the DSD-91E or SSD-100.

1.1.4 Place a container underneath the water filter inlet tube.

1.1.5 Disconnect the internal water filter inlet tube from the incoming water supply line.

1.1.6 Connect the accessory hose to the water inlet tube.

1.1.7 Open the filter bleeder valve and drain the water out of the filter canister.

Note: For the SSD-100 the water filter must be tilted out of the machine in order to be disconnected.

1.1.8 Unscrew the internal water filter clamp and remove the canister housing in order to expose the internal water filter. Refer to figure 2 (DSD-91E shown).

Figure 2

1.1.9 Turn the water filter ½ -inch in the counterclockwise position to unlock the filter from the mounting posts.

1.1.10 Pull the filter downwards to release the filter.

1.1.11 Place the new filter into the filter housing by pushing the filter upwards into the canister cap.

1.1.12 Turn the water filter clockwise until the filter locks into the cap.

1.1.13 Wipe the Filter Canister clean with a lint-free cloth.

1.1.14 Reattach the filter canister ensuring that the o-ring is in place.

1.1.15 Lock the water filter down using the screw-clamp.

Note: For the SSD-100 tilt the water filter back into position.

2.1 Disinfection Process for the DSD-91E

Caution: Before beginning the disinfection process, verify that the temperature of the Rapicide is 38^{o} C $\pm$ 2^{o} C.

2.1.1 Attach the bottom, internal water filter line to station B's disinfectant pump's bleeder valve line. Open the disinfectant pump, bleeder valve. Refer to figure 3.

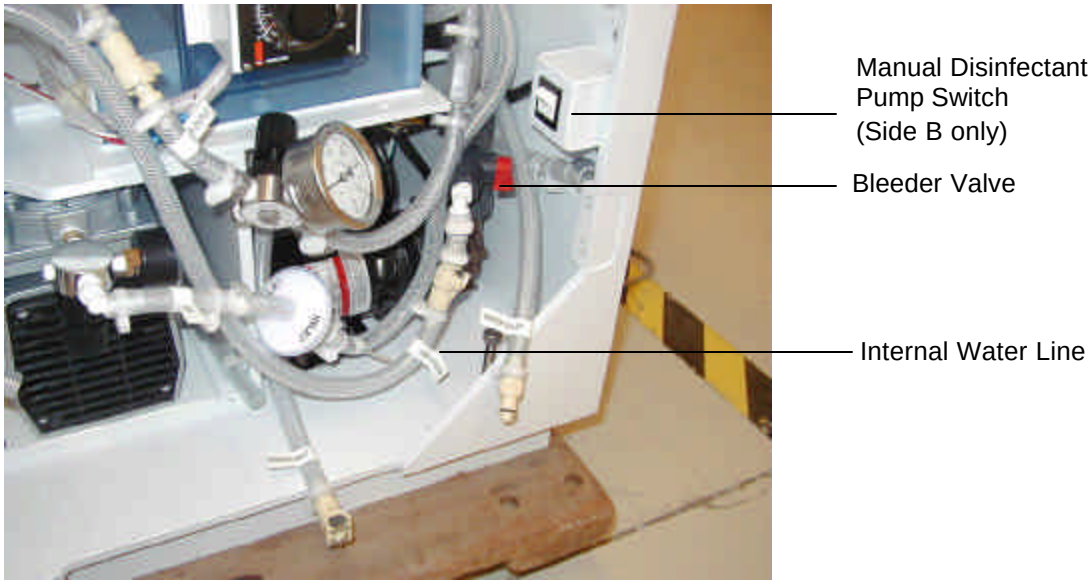

Figure 3

2.1.2 Ensure that the bleeder valve on the internal water filter housing is open and has a container underneath the bleed valve line.

2.1.3 Turn on the disinfectant pump on station B by depressing the manual pump switch located on the right-hand, side of the DSD cabinet.

2.1.4 Once the disinfectant flows out the internal water filter housing's bleed line, let go of the manual pump switch. Close the bleeder valve on the internal water filter housing.

2.1.5 On the DSD front panel, press Station Select and choose both stations A and B. Ensure that program 9 is set for a flush time of 15:00. Press Program, 9, and Enter. Refer to Section 2 of the DSD-91E User's Manual, Custom Program Functions.

2.1.6 Press Start and immediately depress the manual pump switch on the right-hand side of the cabinet in order to energize station B's disinfectant pump.

2.1.7 Once the disinfectant flows from the endoscope simulator in the endoscope basins, continue to pump disinfectant for 11 minutes. (If the DSD is alarming with the No Flow error, press the start button to resume the procedure).

2.1.8 After the required time period has passed, close the disinfectant pump, bleed valve on station B.

2.1.9 Disconnect the internal water filter's incoming line from the disinfectant pump's bleeder valve on side B and reconnect the this line to the water inlet line.

2.1.10 Open the external incoming water supply valve to the DSD.

2.1.11 Ensuring that both stations A and B are still selected, press the Start key to resume the fifteen-minute flush cycle. At the end of the Flush cycle, press the Cancel key in order to abort the program.

2.1.12 Press the Station Select key to enable both stations, Program, X (where (x) represents the number of the normal disinfection program used, 0-8), and the Enter keys.

2.1.13 Depending upon the life left in your disinfectant on side B, you can either:

- Dump the remaining disinfectant on side B.
- Add additional disinfectant into station B (Station Select B only, Setup, 1, and the Enter key).
- This will bring the disinfectant level up to the bottom of the caution sticker (approximately 1 1/4" from the top of the disinfectant reservoir).

3.1 Disinfection Process for the SSD-100

Caution: Before beginning the disinfection process, verify that the temperature of the Rapicide is 38^{o} C $\pm$ 2^{o} C.

3.1.1 Connect the water filter inlet tube to the 3-way valve tube. Refer to figure 4.

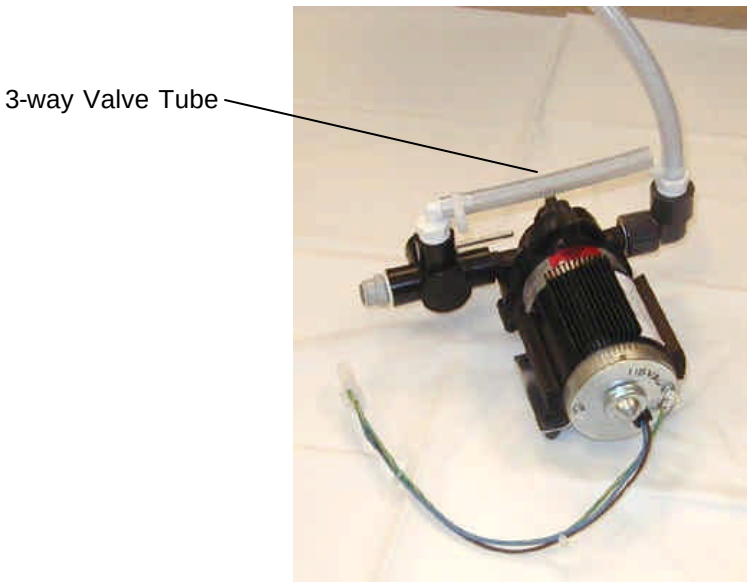

Figure 4

3.1.2 Turn the lever on the 3-way valve to the horizontal position.

3.1.3 Ensure that the bleeder valve on the internal water filter housing is open and has a container underneath the bleeder valve line.

3.1.4 Turn ON the disinfectant pump by depressing the manual pump switch located on the right-hand side of the SSD-100 cabinet.

3.1.5 Once the disinfectant flows out the filter housing bleed line, let go of the manual pump switch. Close the bleeder valve on the filter housing.

3.1.6 Ensure that program 9 is set for a flush time of 15:00. Press PROGRAM, 9, AND ENTER. Refer to SSD-100 User Manual, Custom Program Functions section.

3.1.7 Press START and immediately depress the manual pump switch on the right-hand side of the cabinet in order to energize disinfectant pump.

Note: If a no flow alarm occurs, press START while holding the Manual Pump Switch down.

3.1.8 Once the disinfectant flows from the endoscope simulator in the endoscope basin, continue to pump disinfectant for 7 minutes. (If the SSD-100 is alarming with the No Flow error, press the start button to resume the procedure).

3.1.9 After the required time period has passed close the 3-way valve.

3.1.10 Disconnect the internal water filter's incoming line from the disinfectant pump's 3-way valve tube and reconnect the line to the water supply line.

3.1.11 Open the external incoming water supply valve to the SSD-100.

3.1.12 Press the START key to resume the fifteen-minute flush cycle. At the end of the Flush cycle, press the CANCEL key in order to abort the program.

3.1.13 Press PROGRAM, X (where (x) represents the number of the normal disinfection program used, 0-8), and ENTER.

3.1.14 Depending upon the life left in your disinfectant you can:

- Dump the remaining disinfectant.
- Add additional disinfectant (Setup, 1, and the Enter key).
- This will bring the disinfectant level up to the bottom of the caution sticker (approximately 1 1/4-inches from the top of the disinfectant reservoir).